Model 4111

Remote Start

Owner's Guide

G4111L 2009-07

Contents

Government Regulations

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

⚠ Warning! Safety first

The following safety warnings must be observed at all times:

Due to the complexity of this system, installation of this product must only be performed by an authorized Directed dealer.

When properly installed, this system can start the vehicle via a command signal from the remote control remote control. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control remote controls to assure that the system does not unintentionally remote start the vehicle. THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED. These precautions are the sole responsibility of the user.

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized Directed dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the authorized Directed dealer to fix the problem.

After the remote start module has been installed, contact your authorized dealer to have him or her test the remote start module by performing the Safety Check outlined in the product installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote start unit has not been properly installed. The remote start module must be removed or the installer must properly reinstall the remote start system so that the vehicle does not start in gear. All installations must be performed by an authorized Directed dealer.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED Directed DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

This product is designed for fuel injected, automatic transmission vehicles only. Use of this product in a standard transmission vehicle is dangerous and contrary the product's intended use.

What is Included

- The control module
- An HX receiver/antenna
- One 1-button remote control (P/N 7111L)
- A push-button programming switch
- Your warranty card
- A shut-down toggle switch

Important Information

Congratulations on the purchase of your remote start keyless entry system. This system has been designed to provide years of trouble-free operation. By carefully reading this owner's guide prior to using your system, you will maximize the use of this system and its features. Additional or replacement copies of this guide can be printed by accessing the Directed Electronics internet website at www.avital.com.

➢ System Maintenance

The system requires no specific maintenance. Your remote is powered by a miniature 3V lithium battery that lasts approximately one year under normal use. When the battery weakens, the LED on the remote will dim and operating range will be reduced.

➢ Your Warranty

Your warranty card must be completely filled out and returned within 10 days of purchase. Your product warranty will not be honored if your warranty card is not returned. Make sure that you receive the warranty card from your dealer. You may also register online at
www.prodregister.com/directed.

Using Your System

➢ Unlocking

Only after the vehicle is remotely started via the remote control, press and release the remote control button for 1 second to unlock the vehicle's doors. The parking lights will flash and the horn will honk twice to confirm unlock.

Note: Horn honk is an optional feature.

➢ Car Finder

Press and hold the remote control button for 3 seconds to activate the car finder function (parking lights flash 5 times slowly). The remote start must not be activated for Car Finder to work.

➢ Ignition Controlled Door Locks



If power door locks have been connected to your system, the vehicle's doors will lock three seconds after the ignition has been turned On and unlock when the ignition is turned Off.



Important: In order for the ignition controlled door locks to work the feature must be programmed On.

If the ignition is turned on when the vehicle is remote started the doors will not lock until the remote start shuts off. To avoid being locked out of the vehicle, do not turn the ignition on until you are ready to drive the vehicle.

➢ Remote Start

This feature allows you to remotely start and run your vehicle for a programmable period of time. This makes it possible to warm up the engine, as well as adjust the interior temperature of the vehicle with the climate control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote starting the vehicle.

> **Important!** (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the key in the ignition.

To remote start the vehicle:

1. Press and release the single button on the remote control once.
2. The parking lights flash to confirm remote start.
3. Once the vehicle has started, the parking lights come on solid. The vehicle runs for the pre-programmed period of time (12, 24, or 60 minutes) or until a shutdown input is triggered. This can be set to minute increments by your installer.

When you are ready to drive the vehicle:

1. Insert the ignition key and turn it to the ON (not the START) position.

2. Press the brake pedal. The remote start system shuts down but the motor continues to run because the ignition has been turned on. The vehicle now operates as usual.

Note: If the brake pedal is pressed before the key is in the ON position, the engine will shut down.

While the vehicle is running during remote start operation, the system will monitor the vehicle and will automatically shut down the engine if the system receives any of the following shut-down inputs:

- Brake pedal is pressed.
- Hood is opened.
- Shutdown toggle switch is put into the ON position.
- Pre-programmed run time has elapsed.
- Remote control button is pressed and held for 3 seconds.

➢ Valet Take-Over

The Valet Take-Over feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate controls on.

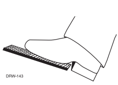
To perform Valet Take-Over:

1. Before turning off the engine, press and release the remote control button for 1 second.
2. Turn the ignition key to the OFF position. (The engine will stay running.)



3. The engine will run until the pre-programmed time elapses or a shut-down input is received. (See the previous Remote Start section for a complete list of shut-down inputs.)

Note: This feature will not work if the brake pedal is being pressed.



➢ Starter Anti-Grind Circuitry

Whenever the vehicle is remote started, advanced anti-grind circuitry prevents the starter from engaging, even if the key is turned to the start position. This prevents damage to the starter motor if the key is turned to the start position during remote start operation.

Note: Anti-grind circuitry only works when the remote start system is operating the motor and the optional relay is installed.

➢ Disabling the Remote Start System

This feature allows your system's remote start unit to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stored in an enclosed area. To disable the remote start, move the shutdown toggle switch to the OFF position. The switch can be installed in a location of your choice. Check with your installer for recommended locations.

Location Of Shutdown Switch________________________

Rapid Resume Logic

This Directed Electronics system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in Locked Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in Locked Mode. This applies to all states of the system.

Programming Options

Programming options control your system's normal operational set-up. Most options do not require additional parts, but some may require installation labor.

The following is a list of the programmable options, with the factory settings in **bold**.

- **12**, 24, or 60 minute run time. Your system can be programmed to allow the vehicle to run for 12, 24, or 60 minutes when remote started. Can be set up to minute increments by your installer.
- Parking lights flashing or **constant**. Your system can be programmed to flash or turn on the parking lights constantly during the entire remote start operation.
- Ignition switch controlled door locking on or **OFF**. With this feature on, the doors will lock 3 seconds after the ignition key is turned on, and unlock when the key is turned off.

  Important: The door lock option must be installed for this feature to work.

Glossary of Terms

Control Unit: The “brain” of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all the system functions.

Remote control: A hand-held device control that operates the various functions of your system.

LED: Indicator on your remote control when a button is pressed.

Notes

Quick Reference Guide

Cut along the dotted line and fold to keep in purse or wallet for a quick and easy reference.

To remote start the vehicle

- Press and release the remote control button for 1-second. The parking lights will turn on constant to confirm remote start operation.

To shut down remote start

- Press and hold the remote control button for 3 seconds. The parking lights will turn off.

Car finder (remote start must not be active)

- Press and hold the remote control button for 3-seconds. The parking lights will start to flash 5 times slowly.

To unlock the doors (remote start must be active)

- Press and release the remote control button for 1second. The doors unlock (if connected), the vehicles horn (if connected) honks twice, and the parking lights flash twice.

Limited Consumer Warranty

For a period of one calendar year from the date of purchase of this auto-security device, Directed Electronics, (Directed) promises to the ORIGINAL PURCHASER to repair or replace (at Directed's election) with a comparable reconditioned model, any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories which proves to be defective in workmanship or material under reasonable use, provided the following conditions (herein "Conditions") are met: the unit was purchased from an authorized Directed dealer; the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealer's name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. ALL UNITS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE WILL BE DENIED.

After the first calendar year, from the date of purchase of the unit, Directed, promises to the ORIGINAL PURCHASER to repair or replace, (at Directed's sole and absolute discretion) with a comparable reconditioned model any unit which proves to be defective in workmanship or material under reasonable use FOR A CHARGE OF $45.00, SO LONG AS THE AFOREMENTIONED CONDITIONS HAVE BEEN MET. The unit must be returned to Directed, postage pre-paid, along with a legible copy of the receipt (including the information below) and a cashier's check or money order made payable to Directed Electronics in the amount of $45.00.

This warranty is non-transferable and is automatically void if the unit has been modified or used in a manner contrary to its intended purpose, or if the unit has been damaged by accident, unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty does not cover damage to the unit caused by installation or removal of the unit. This warranty does not cover labor costs for the removal, diagnosis, troubleshooting or reinstallation of the unit. For service on an out-of-warranty product a flat rate fee by model is charged. Contact your authorized dealer to obtain the service charge for your unit.

These security systems are a deterrent against possible theft. Directed is not offering a guarantee or insuring against vandalism, damage or theft of the automobile or its parts or contents and Directed hereby disclaims any liability whatsoever, including without limitation, liability for damage, vandalism and/or theft of the vehicle, parts and/or its contents. Directed neither assumes nor authorizes any person or entity to assume for it any duty, obligation or liability in connection with its products. Directed disclaims and has absolutely no liability for any and all acts of third parties, including its authorized dealers or installers.

In the event of a claim or a dispute involving Directed or its subsidiary, the venue shall be in San Diego, California. California state laws and applicable federal law shall apply and govern the dispute.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES ARE EXCLUDED, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY AND/OR ANY AND ALL WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY AND ALL WARRANTY OF NON-INFRINGEMENT OF PATENTS, IN THE UNITED STATES OF AMERICA AND/OR ABROAD. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, TOWING, REPAIR, REPLACEMENT, DAMAGE TO VEHICLE, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE UNIT, SO LONG AS THE CONDITIONS ARE MET AS DESCRIBED HEREIN. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void if the unit has not been purchased from Directed, or an authorized Directed dealer, or if the unit has been damaged by accident, unreasonable use, negligence, Acts of God, neglect, improper service, or other causes not arising out of defect in materials or construction. This warranty is only valid for sale of product(s) within the United States of America. Product(s) sold outside of the United States of America are sold "AS-IS," and shall have NO WARRANTY, express or implied.

IMPORTANT NOTE: This product warranty is automatically void if its date code or serial number is defaced, missing, or altered. This warranty will not be valid unless you have completed the warranty card and mailed it to Directed, within 10 days after purchase to the address listed on the warranty registration card. Make sure you have all of the following information from your authorized Directed dealer:

A clear copy of the sales receipt, showing the following:

o Date of purchase
o Your full name and address
o Authorized dealer's company name and address
o Type of system installed
o Year, make, model and color of the automobile
o Automobile license number
o Vehicle identification number
o All security options installed on automobile
o Installation receipts

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The company behind this system is Directed Electronics

Since its inception, Directed Electronics has had one purpose, to provide consumers with the finest vehicle security and car stereo products and accessories available. The recipient of nearly 100 patents and Innovations Awards in the field of advanced electronic technology.

Directed is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

Call (800) 274-0200 for more information about our products and services.

Directed Electronics is an ISO 9001 registered company.

Directed Electronics is committed to delivering world class quality products and services that excite and delight our customers.

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Vista, CA 92081
www.directed.com